

Art Unit: \*\*\*

CLMPTO

M. RICHARDS

08/04/04

CLAIMS 1-2 ARE CANCEL.

NEWLY CLAIM 8 IS ADDED.

3. An optical waveguide as defined in claim 1, wherein the waveguide is formed as a silicate fiber, said core being codoped also for adjusting a refraction index profile.

4. An optical amplifier, comprising a component which is an optical waveguide, said optical waveguide including a core, said core being doped with laser-active ions, said core being additionally doped with Cer.

Art Unit: \*\*\*

5. An optical power amplifier, comprising a component which is an optical waveguide, including a core, said core being doped with laser-active ions, said core being additionally doped with Cer.

6. A laser, comprising an optical waveguide including a core, said core being doped with laser-active ions, said core being additionally doped with Cer.

---

7. An optical device which is used under radiation loading, comprising an optical waveguide including a core, said core being doped with laser-active ions, said core being additionally doped with Cer.

8. An optical waveguide, comprising a core, said core being doped with laser-active ions selected from the group consisting of neodymium, thulium, holmium, ytterbium, and praseodymium, said core being additionally doped with Ce for reducing radiation sensitivity, said doping with Ce constitutes 5-200% of a concentration of the laser-active ions in mol %.

---